

# Solids Handling Dry Prime Compressor-Assisted (JSC)

Thompson Pump's JSC Enviroprime System® pumps are an automatic priming centrifugal pump series that can handle solids up to 4 inches and is ideal for sewer by-pass pumping applications, emergency flood response, and any other applications that require the transfer of liquids that contain solids. The durable construction and the highly efficient pump ends provide longer life and economical operations resulting in lower fuel costs.

## Applications

**Construction:** Wellpoint installation; equipment wash down; pilings; pre-wet operations

**Waste Treatment:** Sewer bypasses; mud or solids in suspension; force main pumping; dosing neutralizing liquids; pumping out settled sludge

**Industrial:** Water jetting and blasting; piping system surcharging and pressure testing; waste pumping; flood drainage; fire fighting; transfer of clean or dirty liquids, mud or solids in suspension

**Mining:** Wash-down operations; tailings; high head/high volume applications

**Marine:** Barge cleaning and wash down; pile jetting; docks and seawall installation

**Agricultural:** Irrigation; dust abatement

*Note: Alternate pump end materials available for corrosive liquids*



## Features

- Exclusive Enviroprime System® Compressor - Assisted priming systems on all models
- Capability of dry priming and automatic re-priming
- Large solids handling capability - up to 4 inches
- High pressure capability for jetting or pumping into force mains
- High capacity performance
- End-suction centrifugal pump end
- Heavy-duty cast iron casing and brackets
- Stress-proof stainless steel shaft sleeves
- Cast Iron impeller and wear rings
- Abrasion-resistant tungsten carbide vs. silicon carbide mechanical seal
- Discharge priming valves
- Suction and discharge fittings
- Safety shutdown controls
- Various diesel or electric motor options
- Available with auto start controls

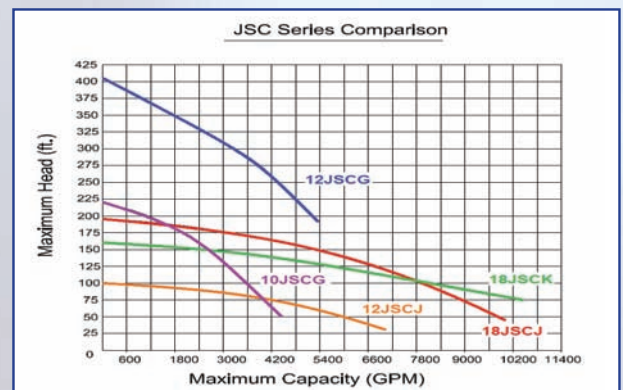
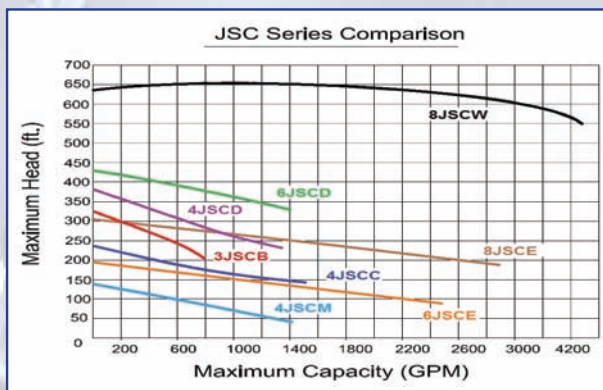
## Model Specifications

Unit Model	Size (In.)	Maximum* Capacity (GPM)	Maximum* Head (Ft.)	Maximum* PSI	Maximum* Solids (In.)
3JSCB	3	800	330	143	1.00
4JSCM	4	1,450	175	56	3.00
4JSCC	4	1,450	230	99	3.00
4JSCD	4	1,310	330	143	3.00
6JSCD	6	1,410	440	186	3.00
6JSCE	6	2,600	195	84	3.00
8JSCE	8	3,200	300	130	3.00
8JSCW-JD	8	4,000	430	186	2.00
8JSCW-CT	8	4,250	660	255	2.00
10JSCG	10	4,500	220	95	3.38
12JSCG	12	5,300	405	152	3.38
12JSCJ	12	7,800	102	47	3.00
18JSCJ	18	9,000	240	87	3.00
18JSCK	18	11,000	160	69	4.00

*\*Consult engineering data for exact maximum performance RPM*

**ENVIROPRIME**  
system®

The Enviroprime System® priming system, unlike most automatic priming systems, prevents product blow-by of pumpage, such as sewage, effluent and waste, from being discharged onto the ground or through hoses that carry the pumpage back to the source, making it environmentally friendly.



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